

Table R-5: 1992 Key Source Tier 1 Analysis - Level Assessment

IPCC Source Categories	Direct Greenhouse Gas	Base Year Estimate (Tg CO <sub>2</sub> Eq.)	Current Year Estimate (Tg CO <sub>2</sub> Eq.)	Level Assessment	Cumulative Total
CO <sub>2</sub> Emissions from Stationary Combustion - Coal	CO <sub>2</sub>	1,697.29	1,714.88	0.28	0.28
Mobile Combustion: Road & Other	CO <sub>2</sub>	1,244.98	1,248.66	0.20	0.48
CO <sub>2</sub> Emissions from Stationary Combustion - Gas	CO <sub>2</sub>	976.63	1,039.63	0.17	0.64
CO <sub>2</sub> Emissions from Stationary Combustion - Oil	CO <sub>2</sub>	669.99	655.50	0.11	0.75
CH <sub>4</sub> Emissions from Solid Waste Disposal Sites	CH <sub>4</sub>	212.07	214.71	0.03	0.78
Direct N <sub>2</sub> O Emissions from Agricultural Soils	N <sub>2</sub> O	193.71	202.57	0.03	0.82
Mobile Combustion: Aviation	CO <sub>2</sub>	176.88	167.01	0.03	0.84
Fugitive Emissions from Natural Gas Operations	CH <sub>4</sub>	122.01	123.98	0.02	0.86
CH <sub>4</sub> Emissions from Enteric Fermentation in Domestic Livestock	CH <sub>4</sub>	117.85	119.39	0.02	0.88
Fugitive Emissions from Coal Mining and Handling	CH <sub>4</sub>	87.12	81.81	0.01	0.90
Indirect N <sub>2</sub> O Emissions from Nitrogen Used in Agriculture	N <sub>2</sub> O	73.83	75.73	0.01	0.91
CO <sub>2</sub> Emissions from Iron and Steel Production	CO <sub>2</sub>	85.41	75.01	0.01	0.92
Mobile Combustion: Marine	CO <sub>2</sub>	48.60	56.18	0.01	0.93
Mobile Combustion: Road & Other	N <sub>2</sub> O	48.56	54.19	0.01	0.94
HFC-23 Emissions from HCFC-22 Manufacture	HFCs	34.98	34.87	0.01	0.94
CO <sub>2</sub> Emissions from Cement Production	CO <sub>2</sub>	33.28	32.79	0.01	0.95
CH <sub>4</sub> Emissions from Manure Management	CH <sub>4</sub>	31.28	32.14	0.01	0.95
SF <sub>6</sub> Emissions from Electrical Equipment	SF <sub>6</sub>	32.10	31.14	0.01	0.96
Fugitive Emissions from Oil Operations	CH <sub>4</sub>	27.49	26.60	<0.01	0.96
CH <sub>4</sub> Emissions from Wastewater Handling	CH <sub>4</sub>	24.08	25.04	<0.01	0.97
CO <sub>2</sub> Emissions from Ammonia Production and Urea Application	CO <sub>2</sub>	19.31	19.99	<0.01	0.97
N <sub>2</sub> O Emissions from Nitric Acid Production	N <sub>2</sub> O	17.85	18.30	<0.01	0.97
N <sub>2</sub> O Emissions from Manure Management	N <sub>2</sub> O	16.18	16.46	<0.01	0.98
CO <sub>2</sub> Emissions from Waste Incineration	CO <sub>2</sub>	14.07	16.25	<0.01	0.98
PFC Emissions from Aluminum Production	PFCs	18.11	14.55	<0.01	0.98
N <sub>2</sub> O Emissions from Wastewater Handling	N <sub>2</sub> O	12.71	13.31	<0.01	0.98
N <sub>2</sub> O Emissions from Adipic Acid Production	N <sub>2</sub> O	15.20	13.05	<0.01	0.99
Non-CO <sub>2</sub> Emissions from Stationary Combustion	N <sub>2</sub> O	12.52	12.69	<0.01	0.99
CO <sub>2</sub> Emissions from Lime Production	CO <sub>2</sub>	11.24	11.39	<0.01	0.99
Non- CO <sub>2</sub> Emissions from Stationary Combustion	CH <sub>4</sub>	8.14	8.66	<0.01	0.99
CH <sub>4</sub> Emissions from Rice Production	CH <sub>4</sub>	7.12	7.87	<0.01	0.99
CO <sub>2</sub> Emissions from Aluminum Production	CO <sub>2</sub>	6.31	6.31	<0.01	0.99
SF <sub>6</sub> Emissions from Magnesium Production	SF <sub>6</sub>	5.37	5.40	<0.01	0.99
CO <sub>2</sub> Emissions from Natural Gas Flaring	CO <sub>2</sub>	5.51	5.06	<0.01	0.99
CO <sub>2</sub> Emissions from Limestone and Dolomite Use	CO <sub>2</sub>	5.47	4.79	<0.01	1.00
Mobile Combustion: Road & Other	CH <sub>4</sub>	4.73	4.73	<0.01	1.00
CO <sub>2</sub> Emissions from Soda Ash Manufacture and Consumption	CO <sub>2</sub>	4.14	4.07	<0.01	1.00

N <sub>2</sub> O Emissions from N <sub>2</sub> O Product Usage	N <sub>2</sub> O	4.30	3.94	<0.01	1.00
PFC, HFC, and SF <sub>6</sub> Emissions from Semiconductor Manufacture	SF <sub>6</sub>	2.86	2.86	<0.01	1.00
CO <sub>2</sub> Emissions from Ferroalloys	CO <sub>2</sub>	1.98	1.98	<0.01	1.00
Mobile Combustion: Aviation	N <sub>2</sub> O	1.71	1.62	<0.01	1.00
CO <sub>2</sub> Emissions from Titanium Dioxide Production	CO <sub>2</sub>	1.31	1.52	<0.01	1.00
Emissions from Substitutes for Ozone Depleting Substances	Several	0.94	1.52	<0.01	1.00
CH <sub>4</sub> Emissions from Petrochemical Production	CH <sub>4</sub>	1.17	1.26	<0.01	1.00
CO <sub>2</sub> Emissions from CO <sub>2</sub> Consumption	CO <sub>2</sub>	0.90	0.94	<0.01	1.00
CH <sub>4</sub> Emissions from Agricultural Residue Burning	CH <sub>4</sub>	0.68	0.75	<0.01	1.00
Mobile Combustion: Marine	N <sub>2</sub> O	0.36	0.43	<0.01	1.00
CO <sub>2</sub> Emissions from Stationary Combustion - Geothermal Energy	CO <sub>2</sub>	0.40	0.43	<0.01	1.00
N <sub>2</sub> O Emissions from Agricultural Residue Burning	N <sub>2</sub> O	0.37	0.41	<0.01	1.00
N <sub>2</sub> O Emissions from Waste Incineration	N <sub>2</sub> O	0.29	0.27	<0.01	1.00
Mobile Combustion: Aviation	CH <sub>4</sub>	0.16	0.15	<0.01	1.00
Mobile Combustion: Marine	CH <sub>4</sub>	0.07	0.08	<0.01	1.00
CH <sub>4</sub> Emissions from Silicon Carbide Production	CH <sub>4</sub>	0.03	0.02	<0.01	1.00
<b>TOTAL</b>		<b>6,139.64</b>	<b>6,212.93</b>	<b>1.00</b>	

Note: Sinks (e.g., LUCF, Landfill Carbon Storage) are not included in this analysis.